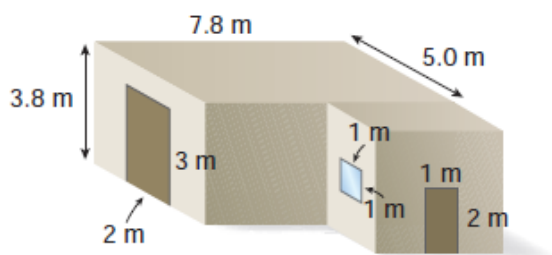


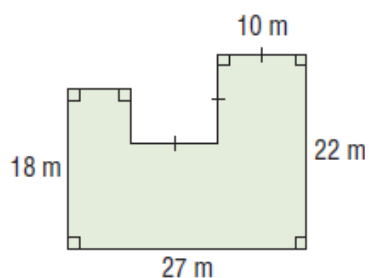
### 1.3 Surface Areas of Objects Made from Right Rectangular Prisms

Math Makes Sense Page 30, 31

- 10. Assessment Focus** A garage has the dimensions shown. The attached shed has the same height as the garage, but is one-half as long and one-half as wide.



- What is the surface area of the building?
  - Vinyl siding costs  $\$15/\text{m}^2$ . The doors, windows, and roof will not be covered with siding. How much will it cost to cover this building with siding?
- 11.** This is a floor plan of a building that is 8 m tall. It has a flat roof. What is the surface area of the building, including its roof?



- Use 27 small cubes to build a large cube.
  - Determine and record its surface area.
- Suppose you painted the large cube. How many small cubes would have paint on:
  - exactly 1 face?
  - exactly 2 faces?
  - exactly 3 faces?
  - 0 faces?
  - more than 3 faces?
 How could you check your answers?